

---

Please add new claims 40-47 as follows:

---

40. The cap and vessel of claim 1, wherein the cap flange and the vessel flange are multiple edged.

41. The cap and vessel of claim 1, wherein the shape of the cap flange and the vessel flange are chosen from a group consisting of substantially square, substantially triangular, substantially rectangular, and substantially octagonal.

42. The method of claim 18, wherein the cap flange and the vessel flange are multiple edged.

43. The method of claim 18, wherein the shape of the cap flange and the vessel flange are chosen from a group consisting of substantially square, substantially triangular, substantially rectangular, and substantially octagonal.

44. A cap and vessel, comprising:  
a threaded cap having a cap flange; and  
a threaded vessel having a vessel flange of substantially the same shape as the cap flange, wherein the threaded cap is secured to the threaded vessel after being rotated in one direction approximately 180 degrees or less.

45. The cap and vessel of claim 44, wherein the threaded cap is secured to the threaded vessel after being rotated in one direction approximately 90 degrees.

46. A method for sealing a vessel, comprising the steps of:  
placing a threaded cap having a cap flange on a threaded vessel having a corresponding vessel flange; and  
securing the threaded cap to the threaded vessel a first time by rotating the threaded cap in one direction approximately 180 degrees or less.

47. The method of claim 46, wherein securing the threaded cap comprises rotating the threaded cap in one direction approximately 90 degrees.

---